



2012, July 6
data subject to change

Extra low mercury

T8 Standard

Philips T8 lamps are energy-efficient lighting solutions.

Benefits

- Better for the environment - only 1.7mg of mercury per lamp with ALTO II Technology
- Reduce maintenance costs by extending the relamping cycle

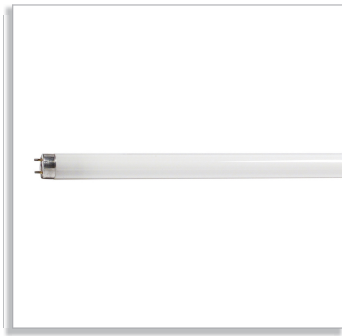
Features

- 95% lumen maintenance and reduced lamp-end blackening
- Available in multiple wattages: 17W, 25W and 32W
- Available in multiple color temperatures: 3000K, 3500K, 4100K, and 5000K

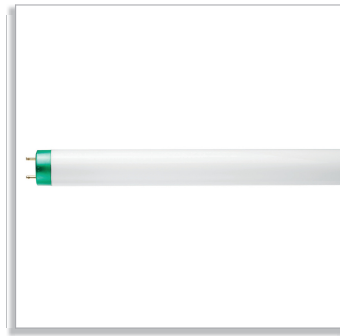
Application

- Ideal for applications requiring maximum maintained light output.

Related products

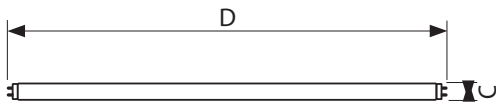


G13, T8

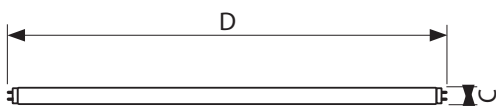


G13, T8

Dimensional drawing



G13, T8

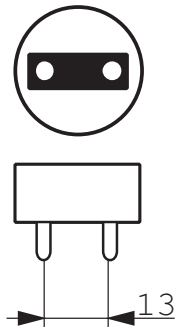


G13, T8

General Characteristics

Product number	Full product name	Bulb	Base	Energy Saving	Rated Avg Life [12-Hr Prog St]	Rated Avg Life [12-Hr Inst St]	Rated Avg Life [3-Hr Prog St]	Rated Avg Life [3-Hr Inst St]
282533	F32T8D XPT	T8	Medium Bi-Pin	Not Applicable	-	-	-	-
367912	F17T8 TL835 ALTO	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
281881	F17T8/TL835 ALTO	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
367938	F17T8 TL841 ALTO	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
281899	F17T8/TL841 ALTO	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
141234	F17T8 TL850 ALTO	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
280909	F17T8/TL850 ALTO	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
368142	F25T8 TL835 ALTO	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
281907	F25T8/TL835 ALTO	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
368258	F25T8 TL841 ALTO	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
281915	F25T8/TL841 ALTO	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
141242	F25T8 TL850 ALTO	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
280925	F25T8/TL850 ALTO	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
272526	F32T8 TL730 ALTO	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
281626	F32T8/730 ALTO	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
272492	F32T8 TL735 ALTO	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
272591	F32T8/TL735 UNP	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
281618	F32T8/TL735 ALTO	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
272484	F32T8 TL741 ALTO	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
272559	F32T8 TL741 ALTO	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
383513	-	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
281576	F32T8/TL741 ALTO	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
281642	F32T8/TL741 ALTO/UPC	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
272682	F32T8 TL750 ALTO	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
281634	F32T8/TL750 ALTO	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
246678	F32T8 TL830 ALTO	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
226829	F32T8 TL830 ALTO 2SR	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
281519	F32T8/TL830 ALTO	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
246702	F32T8 TL835 ALTO	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
281535	F32T8/TL835 ALTO	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
246710	F32T8 TL841 ALTO	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
272351	F32T8/TL841 ALTO	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
281550	F32T8/TL841 ALTO	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
272294	F32T8 TL850 ALTO	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr
281568	F32T8/TL850 ALTO	T8	Medium Bi-Pin	Energy Saving	36000 hr	30000 hr	30000 hr	24000 hr

Installation diagrams



G13

Light Technical Characteristics

Product number	Full product name	Color Code	Color Designation	Initial lumen	Color Rendering Index	Color Temperature	Design Mean Lumens
282533	F32T8D XPT	54	Daylight	-	79 Ra8	6500 K	-
367912	F17T8 TL835 ALTO	TL835	TL835	1375 Lm	85 Ra8	3500 K	1310 Lm
281881	F17T8/TL835 ALTO	TL835	TL835	1375 Lm	85 Ra8	3500 K	1310 Lm
367938	F17T8 TL841 ALTO	TL841	TL841	1375 Lm	85 Ra8	4100 K	1310 Lm
281899	F17T8/TL841 ALTO	TL841	TL841	1375 Lm	85 Ra8	4100 K	1310 Lm
141234	F17T8 TL850 ALTO	TL850	TL850	1300 Lm	82 Ra8	5000 K	1235 Lm
280909	F17T8/TL850 ALTO	TL850	TL850	1300 Lm	82 Ra8	5000 K	1235 Lm
368142	F25T8 TL835 ALTO	TL835	TL835	2150 Lm	85 Ra8	3500 K	2045 Lm
281907	F25T8/TL835 ALTO	TL835	TL835	2150 Lm	85 Ra8	3500 K	2045 Lm
368258	F25T8 TL841 ALTO	TL841	TL841	2150 Lm	85 Ra8	4100 K	2045 Lm
281915	F25T8/TL841 ALTO	TL841	TL841	2150 Lm	85 Ra8	4100 K	2045 Lm
141242	F25T8 TL850 ALTO	TL850	TL850	2100 Lm	82 Ra8	5000 K	1995 Lm
280925	F25T8/TL850 ALTO	TL850	TL850	2100 Lm	82 Ra8	5000 K	1995 Lm
272526	F32T8 TL730 ALTO	TL730	TL730	2600 Lm	78 Ra8	3000 K	2470 Lm
281626	F32T8/730 ALTO	TL730	TL730	2600 Lm	78 Ra8	3000 K	2470 Lm
272492	F32T8 TL735 ALTO	TL735	TL735	2600 Lm	78 Ra8	3500 K	2470 Lm
272591	F32T8/TL735 UNP	TL735	TL735	2600 Lm	78 Ra8	3500 K	2470 Lm
281618	F32T8/TL735 ALTO	TL735	TL735	2600 Lm	78 Ra8	3500 K	2470 Lm
272484	F32T8 TL741 ALTO	TL741	TL741	2600 Lm	78 Ra8	4100 K	2470 Lm
272559	F32T8 TL741 ALTO	TL741	TL741	2600 Lm	78 Ra8	4100 K	2470 Lm
383513	-	TL741	TL741	2600 Lm	78 Ra8	4100 K	2470 Lm
281576	F32T8/TL741 ALTO	TL741	TL741	2600 Lm	78 Ra8	4100 K	2470 Lm
281642	F32T8/TL741 ALTO/UPC	TL741	TL741	2600 Lm	78 Ra8	4100 K	2470 Lm
272682	F32T8 TL750 ALTO	TL750	TL750	2500 Lm	78 Ra8	5000 K	2375 Lm
281634	F32T8/TL750 ALTO	TL750	TL750	2500 Lm	78 Ra8	5000 K	2375 Lm
246678	F32T8 TL830 ALTO	TL830	TL830	2850 Lm	85 Ra8	3000 K	2710 Lm
226829	F32T8 TL830 ALTO 2SR	TL830	TL830	2850 Lm	85 Ra8	3000 K	2710 Lm
281519	F32T8/TL830 ALTO	TL830	TL830	2850 Lm	85 Ra8	3000 K	2710 Lm

Product number	Full product name	Color Code	Color Designation	Initial lumen	Color Rendering Index	Color Temperature	Design Mean Lumens
246702	F32T8 TL835 ALTO	TL835	TL835	2850 Lm	85 Ra8	3500 K	2710 Lm
281535	F32T8/TL835 ALTO	TL835	TL835	2850 Lm	85 Ra8	3500 K	2710 Lm
246710	F32T8 TL841 ALTO	TL841	TL841	2850 Lm	85 Ra8	4100 K	2710 Lm
272351	F32T8/TL841 ALTO	TL841	TL841	2850 Lm	85 Ra8	4100 K	2710 Lm
281550	F32T8/TL841 ALTO	TL841	TL841	2850 Lm	85 Ra8	4100 K	2710 Lm
272294	F32T8 TL850 ALTO	TL850	TL850	2850 Lm	82 Ra8	5000 K	2710 Lm
281568	F32T8/TL850 ALTO	TL850	TL850	2850 Lm	82 Ra8	5000 K	2710 Lm

Electrical Characteristics

Product number	Full product name	Watts
282533	F32T8D XPT	32 W
367912	F17T8 TL835 ALTO	17 W
281881	F17T8/TL835 ALTO	17 W
367938	F17T8 TL841 ALTO	17 W
281899	F17T8/TL841 ALTO	17 W
141234	F17T8 TL850 ALTO	17 W
280909	F17T8/TL850 ALTO	17 W
368142	F25T8 TL835 ALTO	25 W
281907	F25T8/TL835 ALTO	25 W
368258	F25T8 TL841 ALTO	25 W
281915	F25T8/TL841 ALTO	25 W
141242	F25T8 TL850 ALTO	25 W
280925	F25T8/TL850 ALTO	25 W
272526	F32T8 TL730 ALTO	32 W
281626	F32T8/730 ALTO	32 W
272492	F32T8 TL735 ALTO	32 W
272591	F32T8/TL735 UNP	32 W
281618	F32T8/TL735 ALTO	32 W
272484	F32T8 TL741 ALTO	32 W
272559	F32T8 TL741 ALTO	32 W
383513	-	32 W
281576	F32T8/TL741 ALTO	32 W
281642	F32T8/TL741 ALTO/UPC	32 W
272682	F32T8 TL750 ALTO	32 W
281634	F32T8/TL750 ALTO	32 W
246678	F32T8 TL830 ALTO	32 W
226829	F32T8 TL830 ALTO 2SR	32 W
281519	F32T8/TL830 ALTO	32 W
246702	F32T8 TL835 ALTO	32 W
281535	F32T8/TL835 ALTO	32 W
246710	F32T8 TL841 ALTO	32 W
272351	F32T8/TL841 ALTO	32 W
281550	F32T8/TL841 ALTO	32 W
272294	F32T8 TL850 ALTO	32 W
281568	F32T8/TL850 ALTO	32 W

Environmental Characteristics

Product number	Full product name	Mercury (Hg) Content	Picogram per Lumen Hour
282533	F32T8D XPT	16 mg	-
367912	F17T8 TL835 ALTO	1.7 mg	54 p/LuHr
281881	F17T8/TL835 ALTO	1.7 mg	54 p/LuHr
367938	F17T8 TL841 ALTO	1.7 mg	54 p/LuHr
281899	F17T8/TL841 ALTO	1.7 mg	54 p/LuHr
141234	F17T8 TL850 ALTO	1.7 mg	54 p/LuHr
280909	F17T8/TL850 ALTO	1.7 mg	54 p/LuHr
368142	F25T8 TL835 ALTO	1.7 mg	35 p/LuHr
281907	F25T8/TL835 ALTO	1.7 mg	35 p/LuHr
368258	F25T8 TL841 ALTO	1.7 mg	35 p/LuHr
281915	F25T8/TL841 ALTO	1.7 mg	35 p/LuHr
141242	F25T8 TL850 ALTO	1.7 mg	36 p/LuHr
280925	F25T8/TL850 ALTO	1.7 mg	36 p/LuHr
272526	F32T8 TL730 ALTO	1.7 mg	27 p/LuHr
281626	F32T8/730 ALTO	1.7 mg	27 p/LuHr
272492	F32T8 TL735 ALTO	1.7 mg	27 p/LuHr
272591	F32T8/TL735 UNP	1.7 mg	27 p/LuHr
281618	F32T8/TL735 ALTO	1.7 mg	27 p/LuHr
272484	F32T8 TL741 ALTO	1.7 mg	27 p/LuHr
272559	F32T8 TL741 ALTO	1.7 mg	27 p/LuHr
383513	-	1.7 mg	27 p/LuHr
281576	F32T8/TL741 ALTO	1.7 mg	27 p/LuHr
281642	F32T8/TL741 ALTO/UPC	1.7 mg	27 p/LuHr
272682	F32T8 TL750 ALTO	1.7 mg	28 p/LuHr
281634	F32T8/TL750 ALTO	1.7 mg	28 p/LuHr
246678	F32T8 TL830 ALTO	1.7 mg	25 p/LuHr
226829	F32T8 TL830 ALTO 2SR	1.7 mg	25 p/LuHr
281519	F32T8/TL830 ALTO	1.7 mg	25 p/LuHr
246702	F32T8 TL835 ALTO	1.7 mg	25 p/LuHr
281535	F32T8/TL835 ALTO	1.7 mg	25 p/LuHr
246710	F32T8 TL841 ALTO	1.7 mg	25 p/LuHr
272351	F32T8/TL841 ALTO	1.7 mg	25 p/LuHr
281550	F32T8/TL841 ALTO	1.7 mg	25 p/LuHr
272294	F32T8 TL850 ALTO	1.7 mg	26 p/LuHr
281568	F32T8/TL850 ALTO	1.7 mg	26 p/LuHr



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